

Site 12 Field Work Update

NAVAL STATION TREASURE ISLAND
SAN FRANCISCO, CALIFORNIA

Base Closure Team Meeting
August 19, 2015

Presentation Overview



Site 12 Field Work Update (Excavation at Bayside & North Point)

- Project Status: North Point
- Project Status: Bayside
- Dust Monitoring
- Air Quality Monitoring
- Activity Schedule
- Contact Information

Radiological Housing Unit Survey Update (Surveys performed in 2014)

- Removal of 3 Low Level Radiological Objects
“LLROs”



1942 Aerial photo of Treasure Island

Project Status – North Point



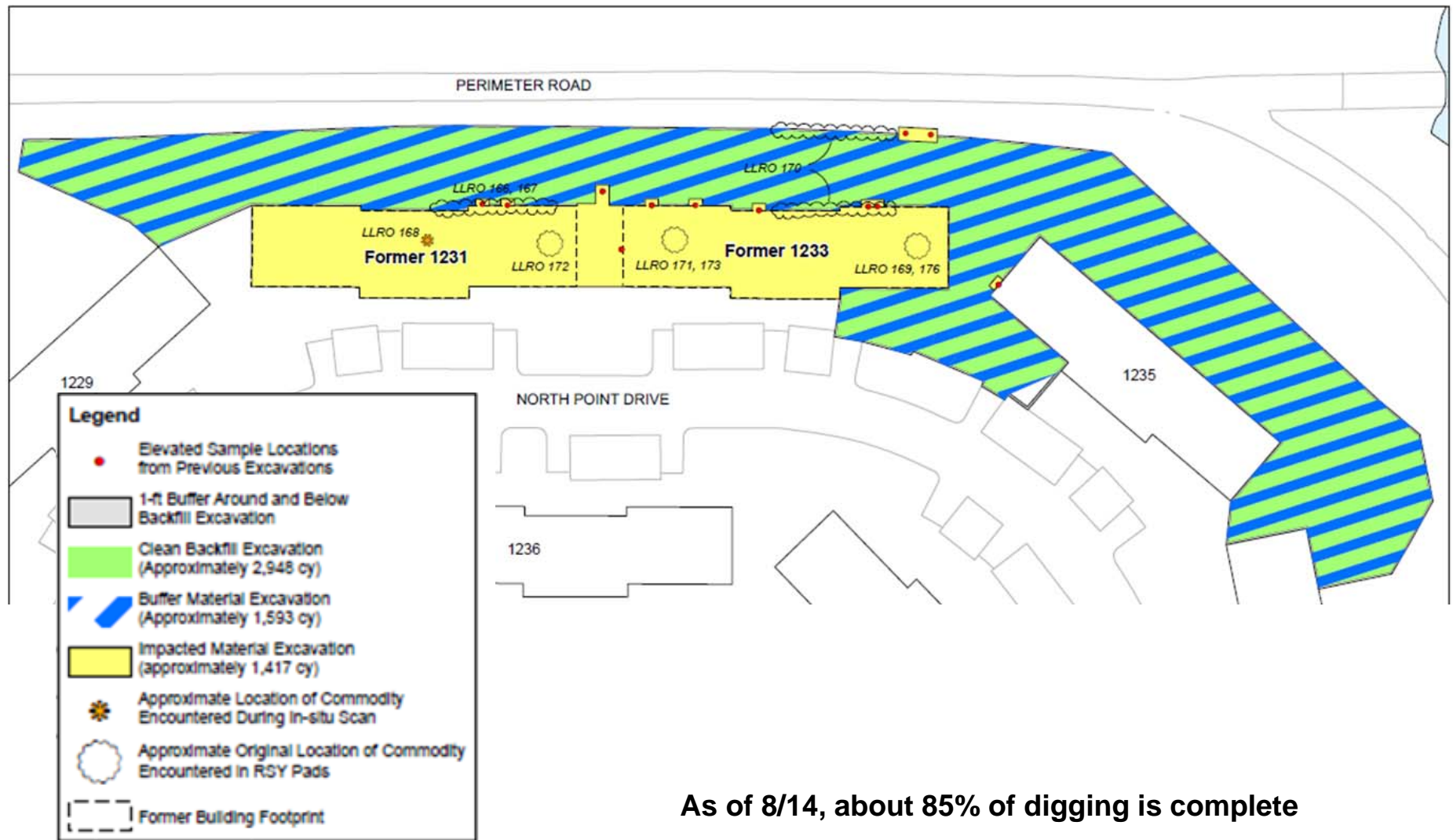
North Point planned excavation boundary complete



Debris found in sidewall and bottom

- May 27: Excavation began
- Buildings 1231 and 1233 foundations removed and soil excavated to 4 feet below ground surface
- 9 LLROs removed to date
- Approximately 5,958 cubic yards have been removed from North Point
- Debris found in some sidewalls and bottom of the excavation and will be removed in late August 2015

Project Status – North Point



As of 8/14, about 85% of digging is complete

Project Status – North Point



- 9 LLROs extracted to date
- All identified as radium-226



LLRO 169



LLRO 172



LLRO 172

Project Status – Bayside

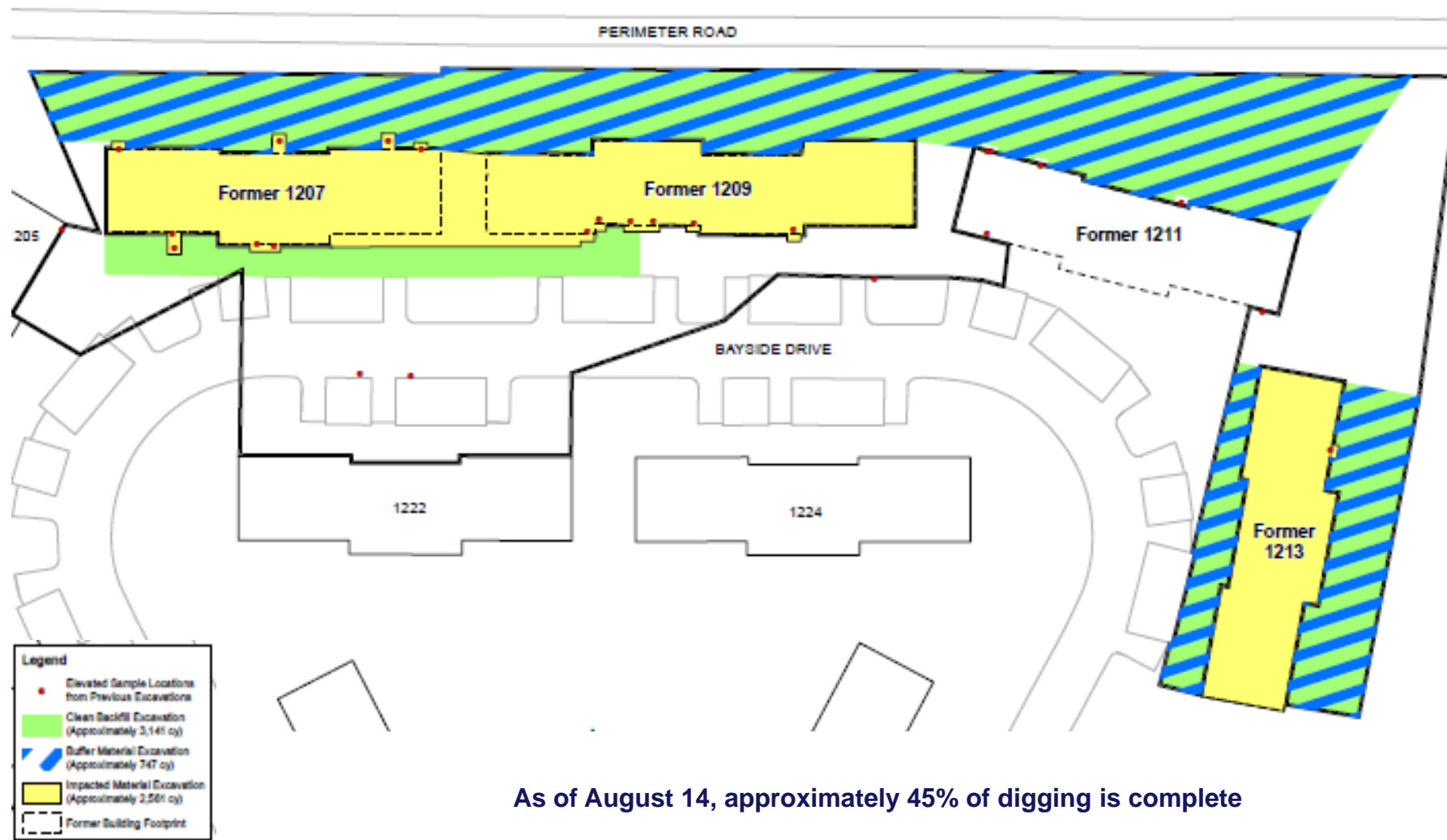


- June 26: Excavation began
- Foundations for Buildings 1207, 1209, and 1213 foundations removed and soil being excavated to 4 feet below ground surface
- 55 LLROs has been encountered to date
- As of August 14, approximately 6,449 cubic yards have been removed
- Excavation ongoing



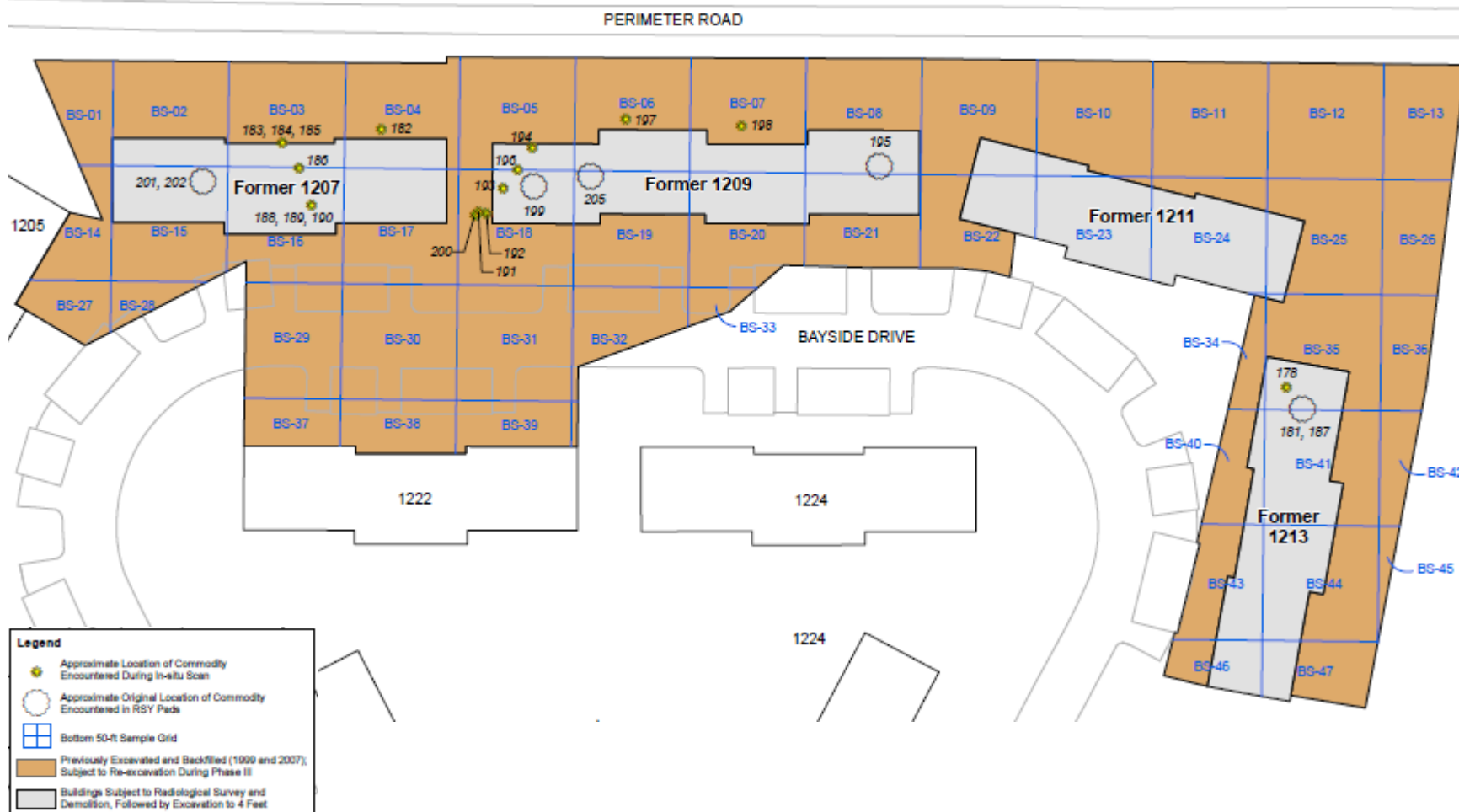
Removal of concrete foundation at Building 1213

Project Status – Bayside



As of August 14, approximately 45% of digging is complete

Project Status – Bayside



Dust Monitoring

"First line of defense" for the crew and public



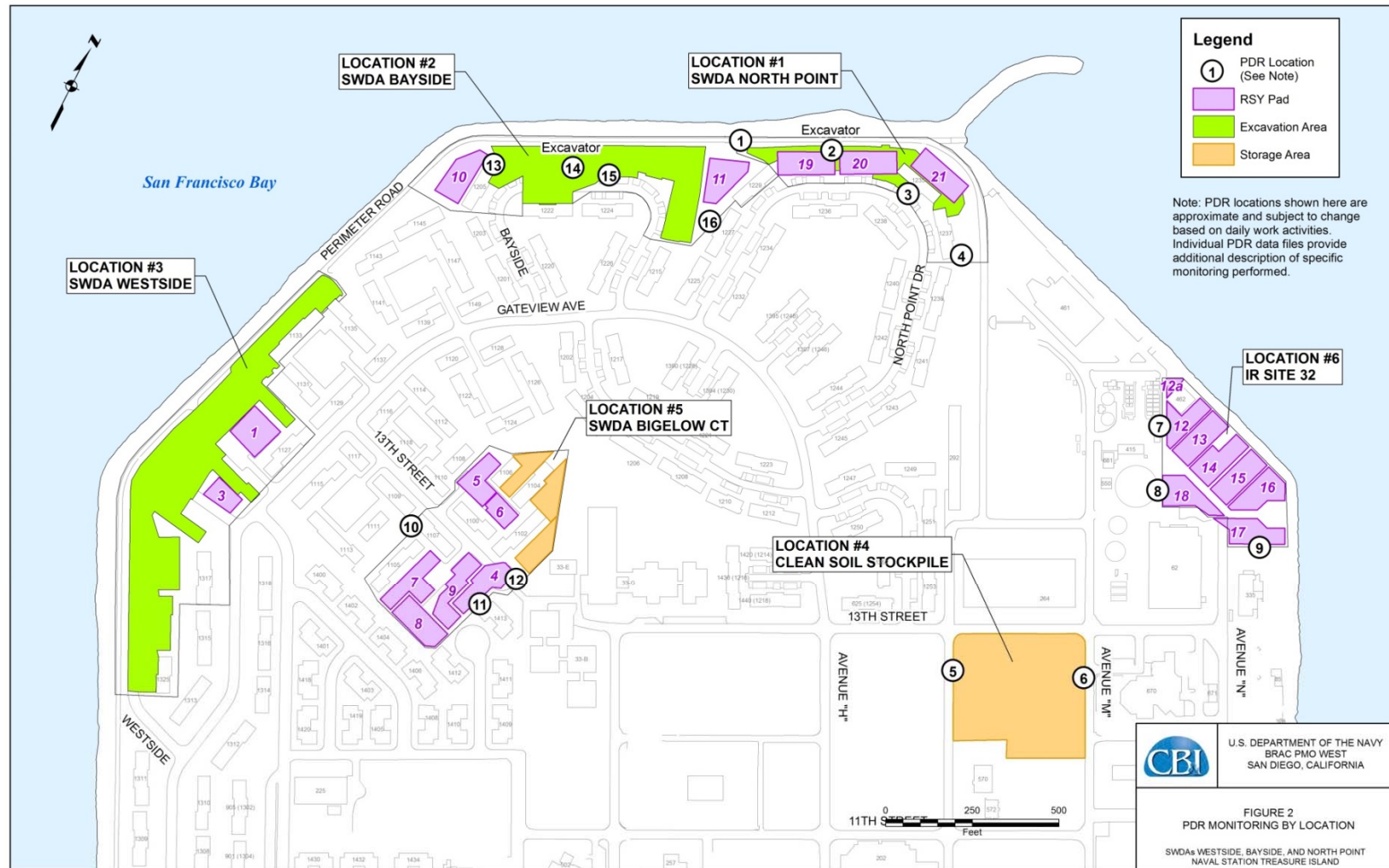
- Dust monitoring during all soil moving activities (6 work areas)
- Dust Monitoring at each location:
 - **Continual Visual Observation of Field Activities:** Crew implements preventative measures (i.e. water spraying, equipment cleaning, truck covers) and adjusts PDR locations
 - **Use of Personal Data Logging Real-Time Aerosol Monitors (PDRs)** – 3 to 4 PDRs are typically used at each work area**
 - Monitors are placed Upwind and downwind
- PDRs placed inside equipment and on construction personnel
- No exceedances to date



Typical PDR used

***The Site Safety and Health Officer may add PDRs to any location depending on wind direction and activities for the day.*

Site 12 Field Work: General Dust Monitoring Map*



*Locations may be adjusted based on activity and wind direction

Air Quality Monitoring

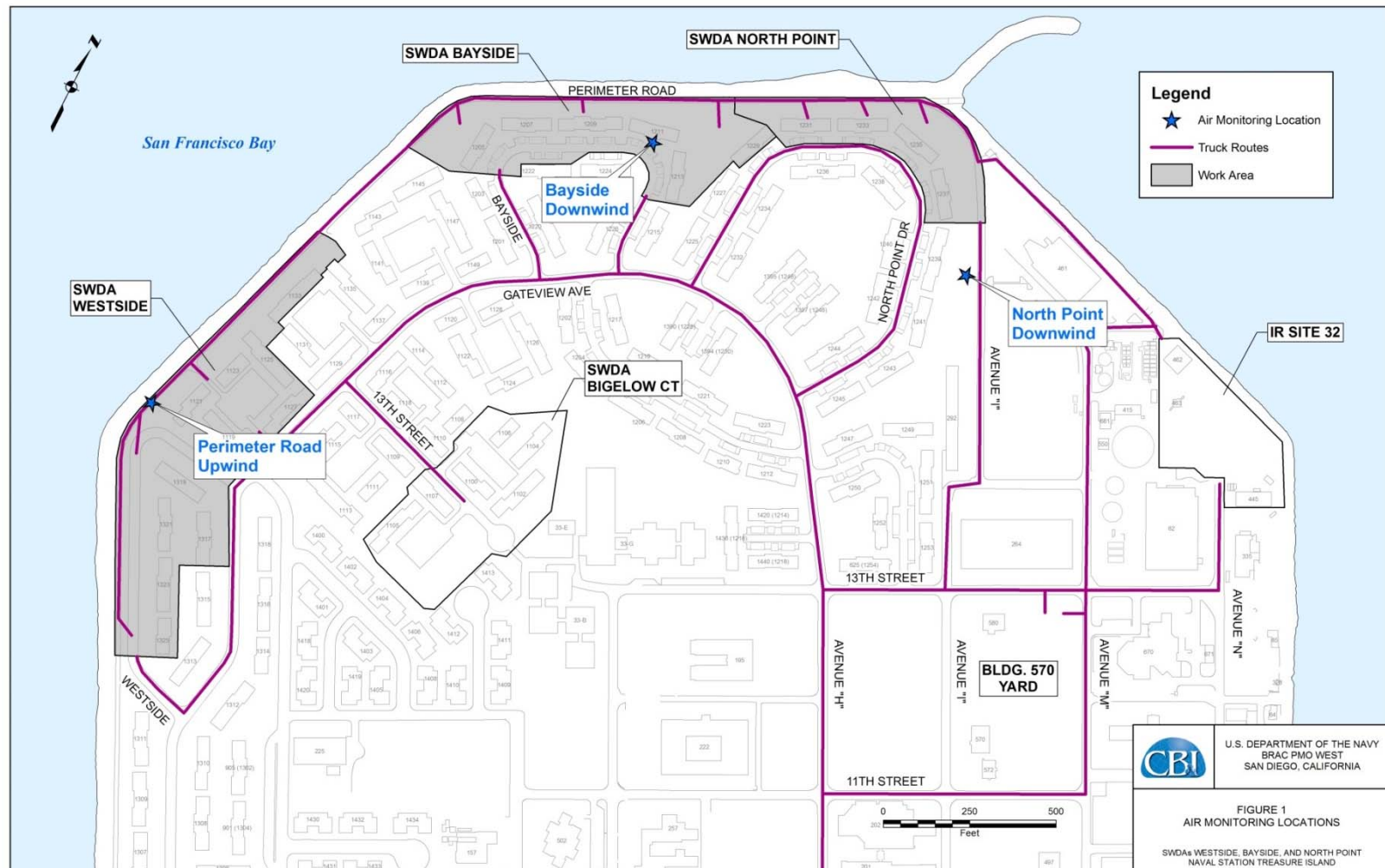


Air Monitoring Station at each location

- Daily air quality monitoring during excavation activities
- Upwind and downwind monitoring**
- Wind sock at all sites reflecting wind direction
- Each location samples for:
 - Lead
 - Polynuclear aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) on alternating days
 - Radiological (rad)
- Lead, PCB and PAH samples are collected onsite and shipped off site for analysis
- No exceedances to date

*** The Site Safety and Health Officer may adjust locations depending on wind direction and activities for the day.*

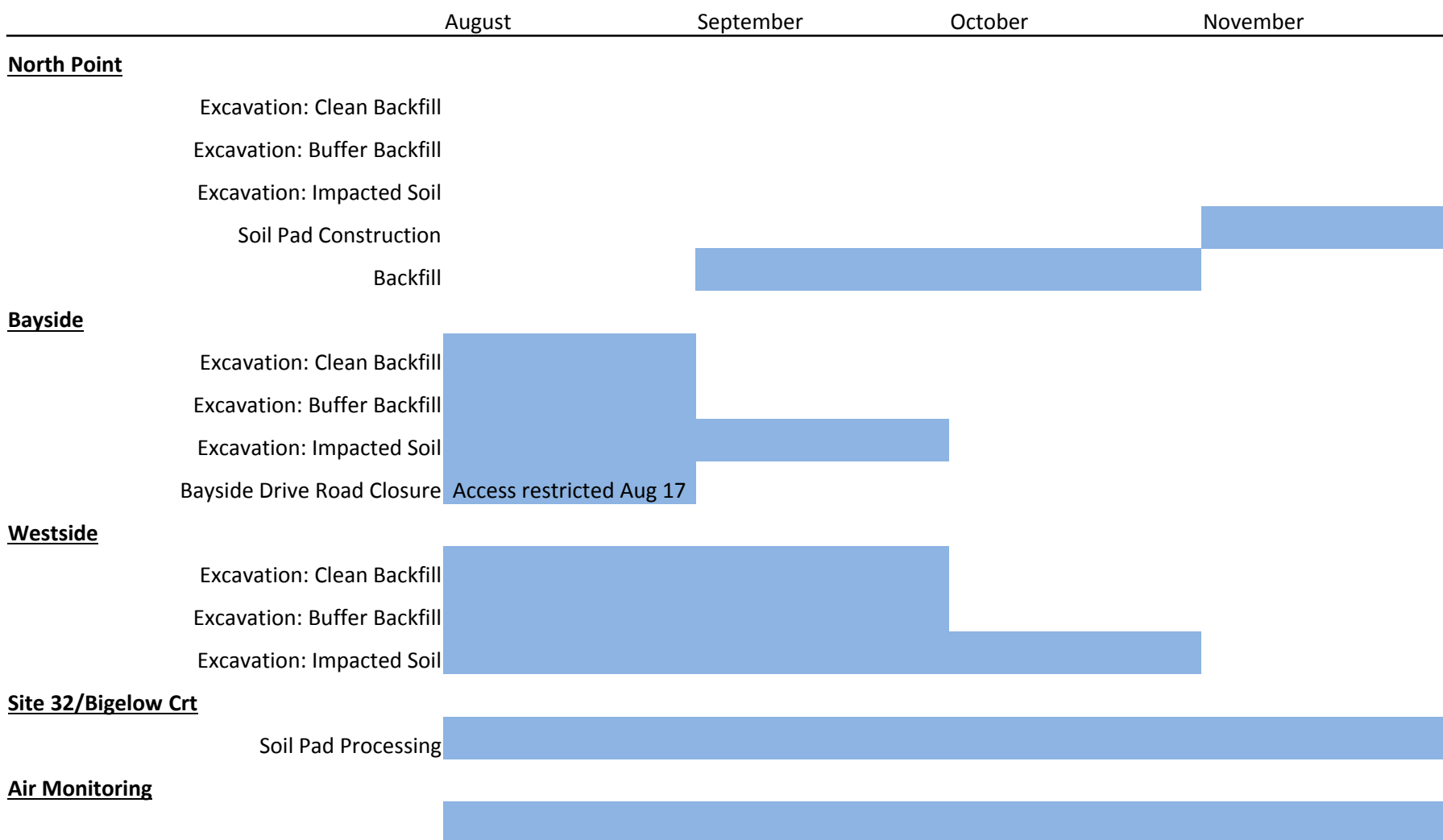
Site 12 Field Work: Air Quality Stations Map**



Monitoring Station Locations used during recent excavations at Bayside and North Point.

***Locations will change based on activity and wind direction*

Activity Schedule: 3 Month Look Ahead



Schedule of Milestones



May 2015 – Excavations Start

Oct 2015 – Excavations Complete

Nov 2015 – Soil Pad Processing Complete

Dec 2015 – Waste Disposal Complete

Mar 2016 – Radiological Field (Final Status) Surveys Complete

Jun 2016 – Site Restoration Complete

Jun 2016 – Final Status Survey Report

Aug/Sep 2016 – Final Remedial Action Completion Report

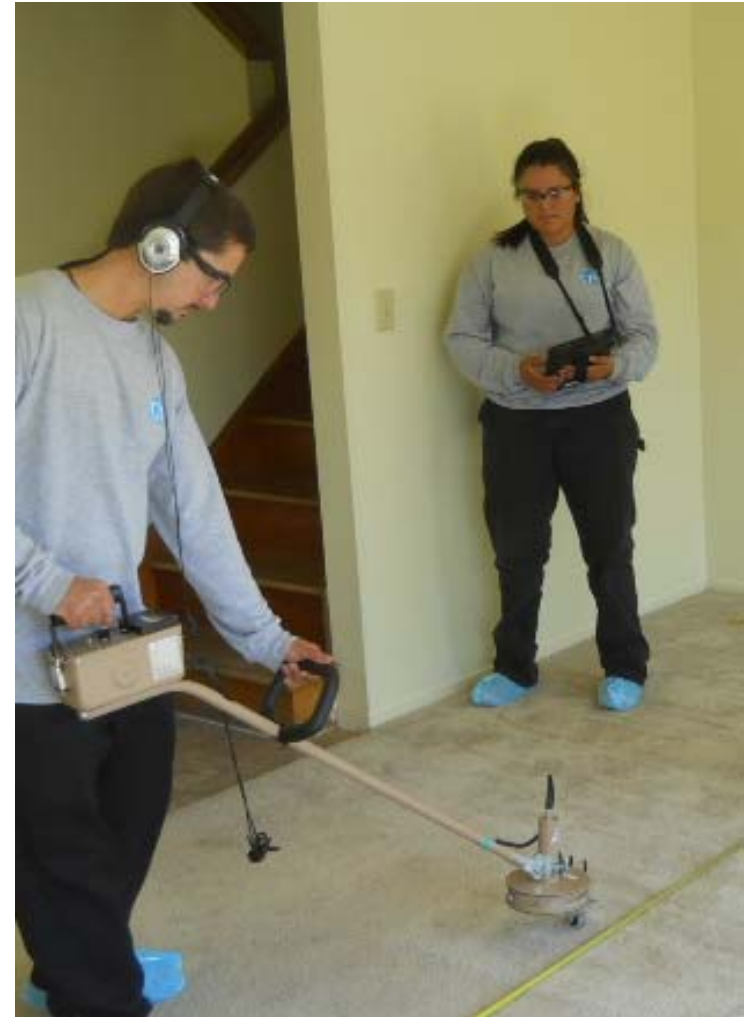


Artistic renderings from TIDA website

Radiological Housing Unit Survey Update



- **Summer 2014:** Navy's contractor CB&I conducted radiological surveys of the interior ground floors of all residences
- Three distinct locations with readings above background were found:
 - 1240 North Point Drive, Unit D
 - 1241 North Point Drive, Unit B
 - 1303 Gateview Ave, Unit F
- **July 6-7, 2015:** Mobilized to remediate each location. Removed LLROs, excavated surrounding soil, sampled to confirm
- **July 31, 2015:** Additional excavation performed at 2 locations.
- **August 10, 2015:** Confirmation samples below background; Remediation complete



Scan using Ludlum Model 193-6 instrument during residential survey (summer 2014)

Removal of Low Level Radiological Object Summary



ADDRESS	PRE- INVESTIGATION SURVEYS	INVESTIGATION	POST- INVESTIGATION SURVEYS	REPORTS
1240 North Point Drive, Unit D	Complete	Complete	Early lab results show radium-226 is below background/ cleanup criteria	<i>Pending*</i>
1241 North Point Drive, Unit B Shed	Complete	Complete	Complete	<i>Pending*</i>
1303 Gateview Ave, Unit F	Complete	Complete	Early lab results show radium-226 is below background/ cleanup criteria	<i>Pending*</i>

*Anticipated in October, 2015

Contact Information



**Keith Forman,
Navy BRAC Environmental Coordinator (BEC)**

Work phone: (619) 524-6073 *new number*

Local phone: (415) 308-1458

E-mail: keith.s.forman@navy.mil

Website: www.bracpmo.navy.mil



QUESTIONS?

Removal: 1240 North Point Drive, Unit D



- July 6: Excavated and identified an LLRO at 10 inches below the concrete subfloor
- LLRO was removed
- Surrounding soil was removed and sampled
- July 30: Additional excavation conducted. CB&I and CDPH collected parallel samples at bottom of cavity
- Pending sample results from laboratory, the site will be restored and surveyed again when complete



Survey team confirming location of anomaly before removal of surface material



LLRO appeared to be portion of a gauge

Removal: 1241 North Point Drive, Unit B Shed



- July 6: Removed the shed concrete floor, underlying gravel, part of patio surface and shed wall
- LLRO was located within debris of wall removal
- LLRO was removed
- Surrounding soil was removed and sampled
- July 8: Patio and shed foundation restored and post-investigation survey conducted without any elevated readings
- July 24: Sample results showed no elevated readings in soil after LLRO removal.
- **Area complete**



Survey team confirming location of anomaly before removal of surface material



LLRO appeared to be a small piece of metal or paint flake in debris from wall demo

Removal: 1303 Gateview Ave, Unit F



- July 7: Excavated and identified LLROs in soil at about 24" below surface
- Objects and adjacent soil were removed and samples were collected
- July 30: Additional excavation conducted. CB&I and CDPH collected additional samples along sidewall.
- Pending sample results from laboratory, the site will be restored and surveyed again when complete



One discrete LLRO extracted



Survey team using shielding techniques to get better directional readings from the instrument to assist in locating items generating readings above background